

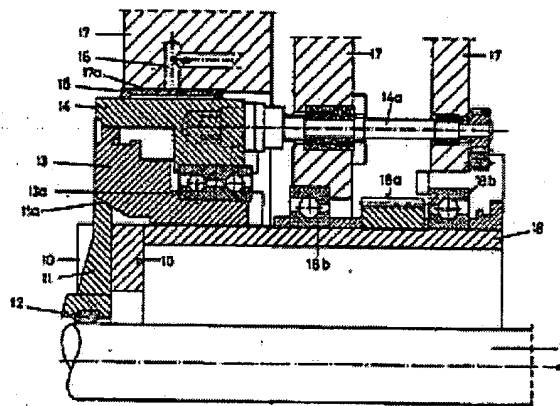
## Lathe to return metal rods and tubes

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### Abstract of DE19503772

The lathe for pre-turning rods and tubes has stripping tools (12) on rod tool carriers (11), with a number of tool rod carriers (11) sliding in grooves in a radial array in a rotating disc (10). The disc (10) is fixed to a hollow shaft (18) which rotates in its mounting on the machine frame (17). A cone bush (13) fixed to the hollow shaft, rotates with it, so that as it advances the contact surfaces of the bush act on angled surfaces (11a) of the carrier rods (11) to give a radial movement to them. The cone bush is held in a push bush, mounted without rotation in the machine frame, to transmit the action of a push mechanism (14a) to the cone bush. A hydraulic clamping sleeve (15) is inserted between the push bush (14) and a cylindrical surface (17a) of the machine housing (17). Its hydraulic force is set and controlled to give the machine a low tolerance operation without play, with adjustment of the required play between the push bush and the clamping sleeve.



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